

FIG. 2A

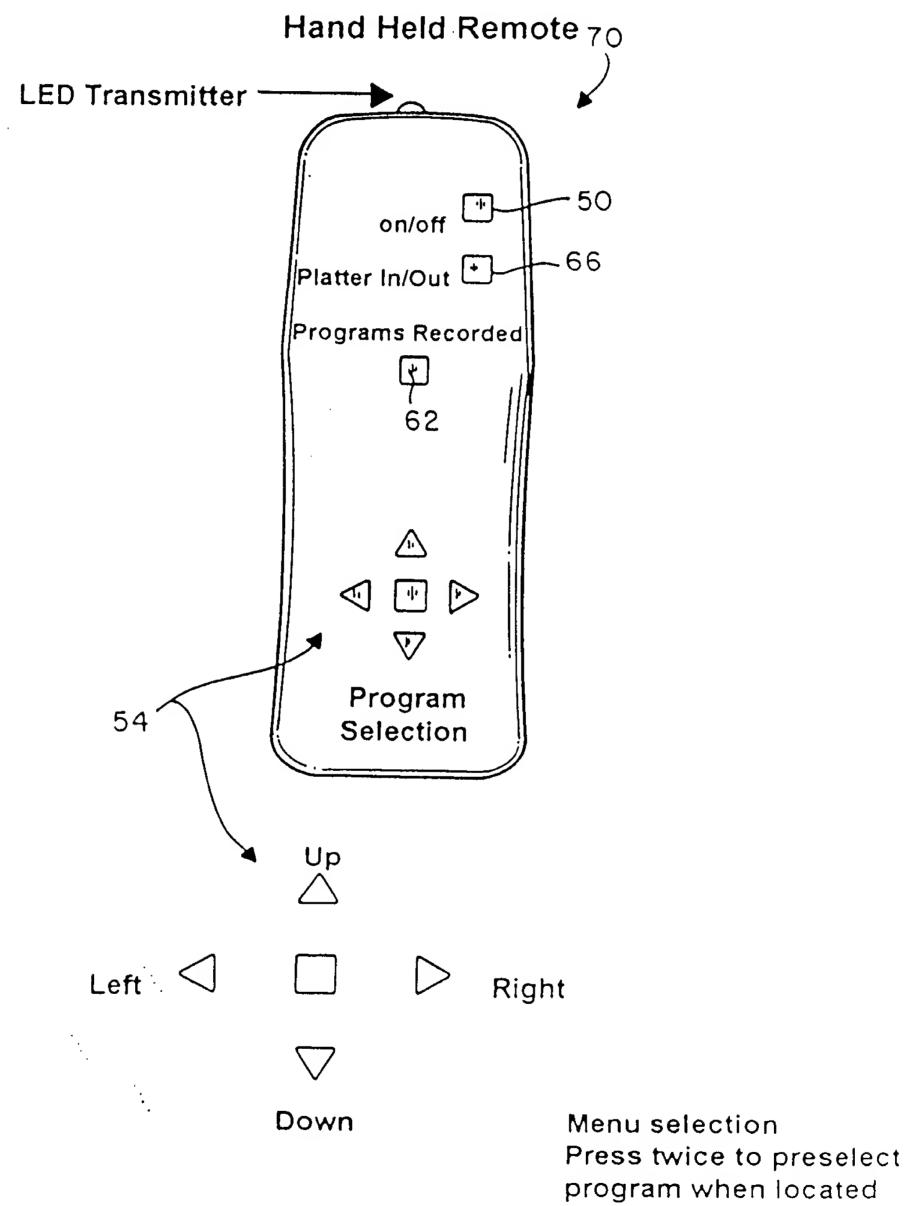
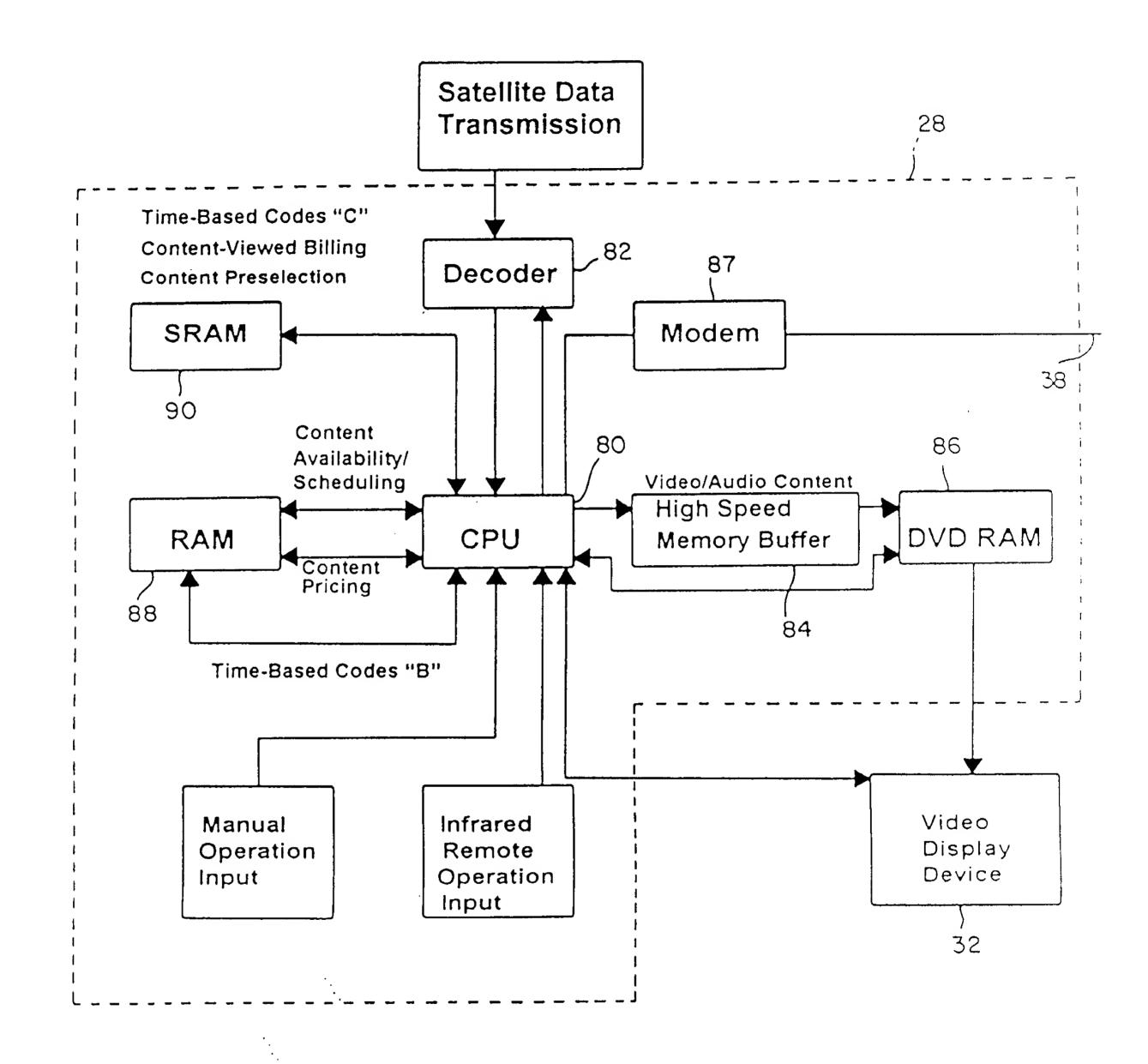


FIG. 3



F1G.4

☐ Programs Recorded ☐ Available Movies 1. New Releases ☐ Comedy ☐ Drama ☐ Action ☐ Documentary 2. Classics	~100 F1G.5

SLOT	PROGRAM	
1	Blank Disc	
2	"Return of the Jedi"	
3	No Disc	
4	"To Sir with Love"	
5	Blank Disc	
6	"Sleepless in Seattle"	
7	"Dave"	
8	Blank Disc	FIG.6
9	No Disc	
10	"True Grit"	

	New	Releases/Com (20 Titles)	edy	120
1	Title #1	120 mins.	PG	
2	Title #2	98 mins.	R	
3	Title #3	102 mins.	PG-13	
4	Title #4	108 mins.	PG	
5	·			\bot FIG.7
6				_
7	· ·			
8	*	*		

LEVEL I TIME-BASED SECURITY CODES

A	В	С
One 32 bit code in each movie header X 12 months X 100 years = 1200 32 bit codes.	One 32 bit code for each month chosen at the beginning of each month and transmitted by DBS.	One 32 bit code delivered each month by phone/ modem with billing query from central controller system. C provided only when customer is in good standing.

Store discrete address for each customer houshold

Receive viewedcontent information from customer households

~ 36

Send time-based security codes C and enabling commands to customers in good standing

Debit accounts of customer households

Credit accounts of content providers

Financial Network

FIG. 9

F1G.10

Step	Mode Name	Description	Hardware Involved
	Account Setup	Happens when customer buys and hooks up The user station.	
1	Selection	Customer looks at recently updated "catalog' of available movie selections on his TV using the graphical user interface. Use remote to page through information.	User station, remote, customer TV, stored catalog
2	Ordering	Customer uses user station, remote and TV screen to order	User station, remote, customer TV
3	Downloading	Movies are downloaded during transmission hours as encrypted, compressed files through customer's satellite dish to hard disk in user station.	User station, satellite receiver
4	Viewing	Customer plays movie directly from hard drive with decryption/decompressing in real time.	User station, customer TV and speakers
5	Billing	Customer's account billed later by modem or Internet communication with central controller.	User station
6	Optional "Library" Movie Delivery	Full-quality movie on selected medium (e.g. DVD) that can be played on any DVD player is burned with watermark.	User station, DVD burner

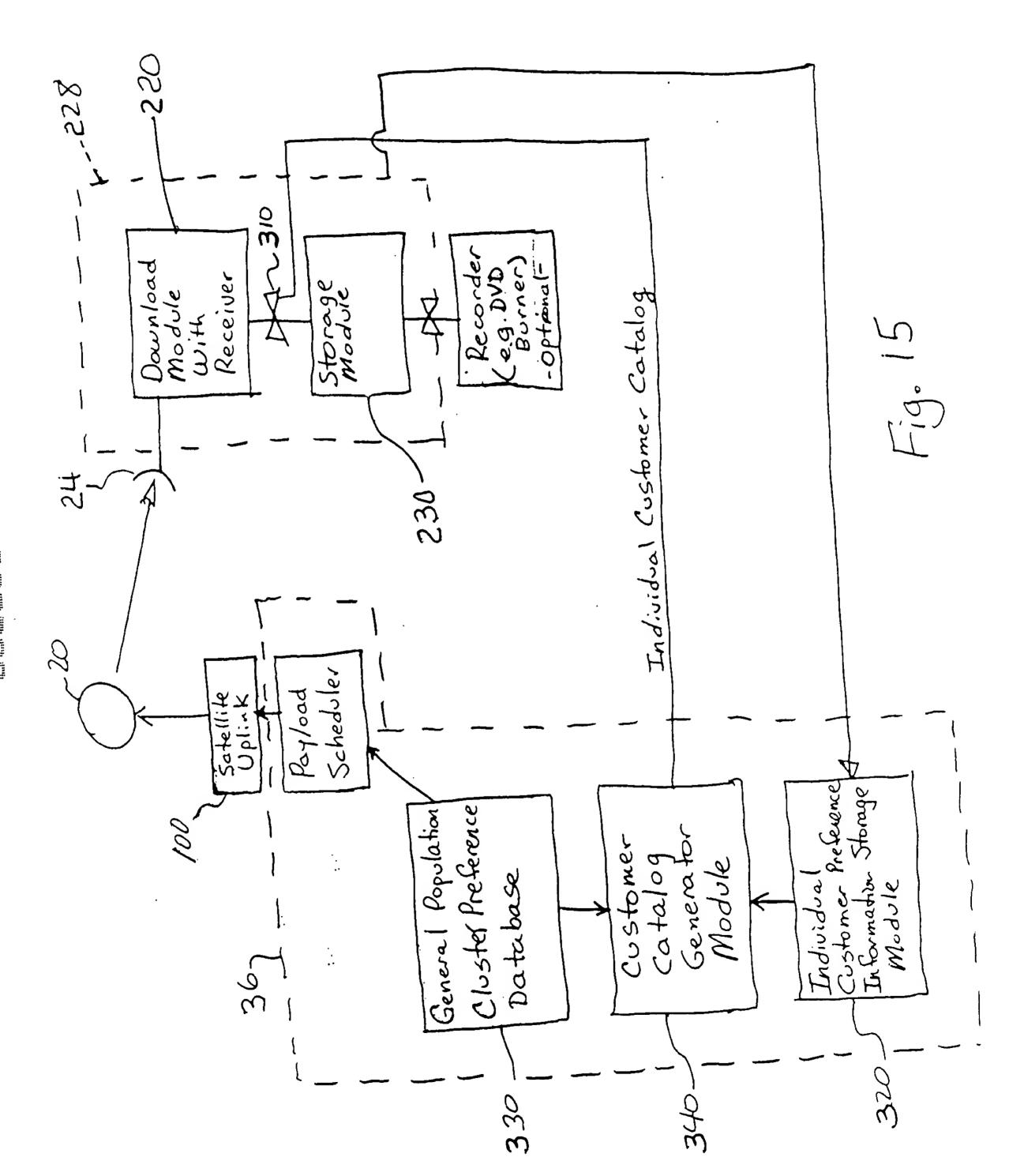
Fig. 12

Action Documentaries Romantic Comedy Foreign Language Science Fiction Musicals Westerns Combat Political Animated Suspense	SELECT MOVIE	TYPE PREFERENCES
	Action Romantic Comedy Science Fiction Combat	Documentaries Foreign Language Musicals Westerns

Fig. 13

SECO	OND LEVEL M	10UIE PREFEI	ZENCES
Favorite Marie Stars	Favorite Movie Stars (Female)	Favorite Directors	Preferred Rating(s)
Mel Gibson Tom Honks	Julia Roberts Meg Ryan	George Lucas John Doe	G PG-13 PG-13
			X
4	V	V	

Fig. 14



Promotion-based Streaming

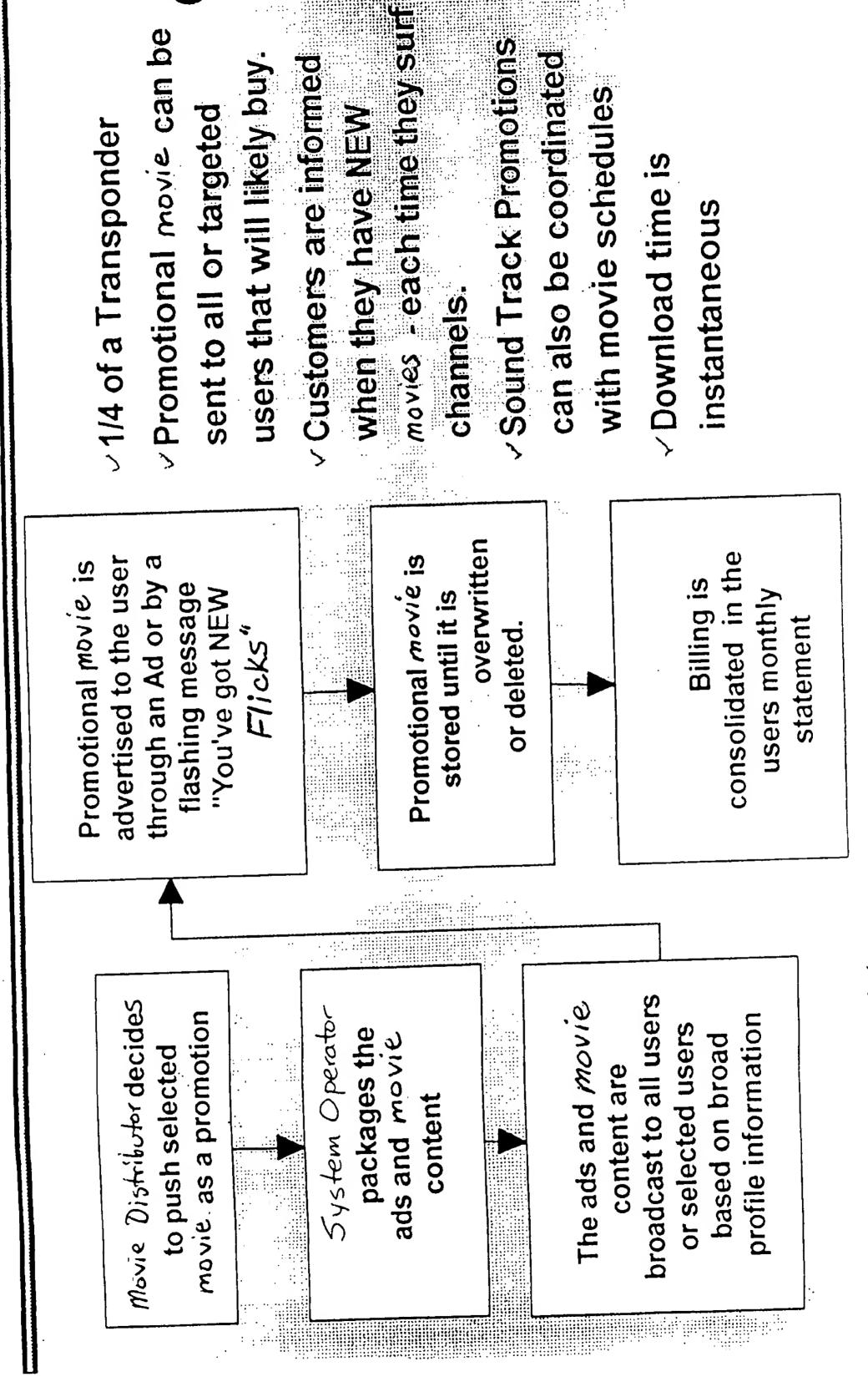


Fig. 16

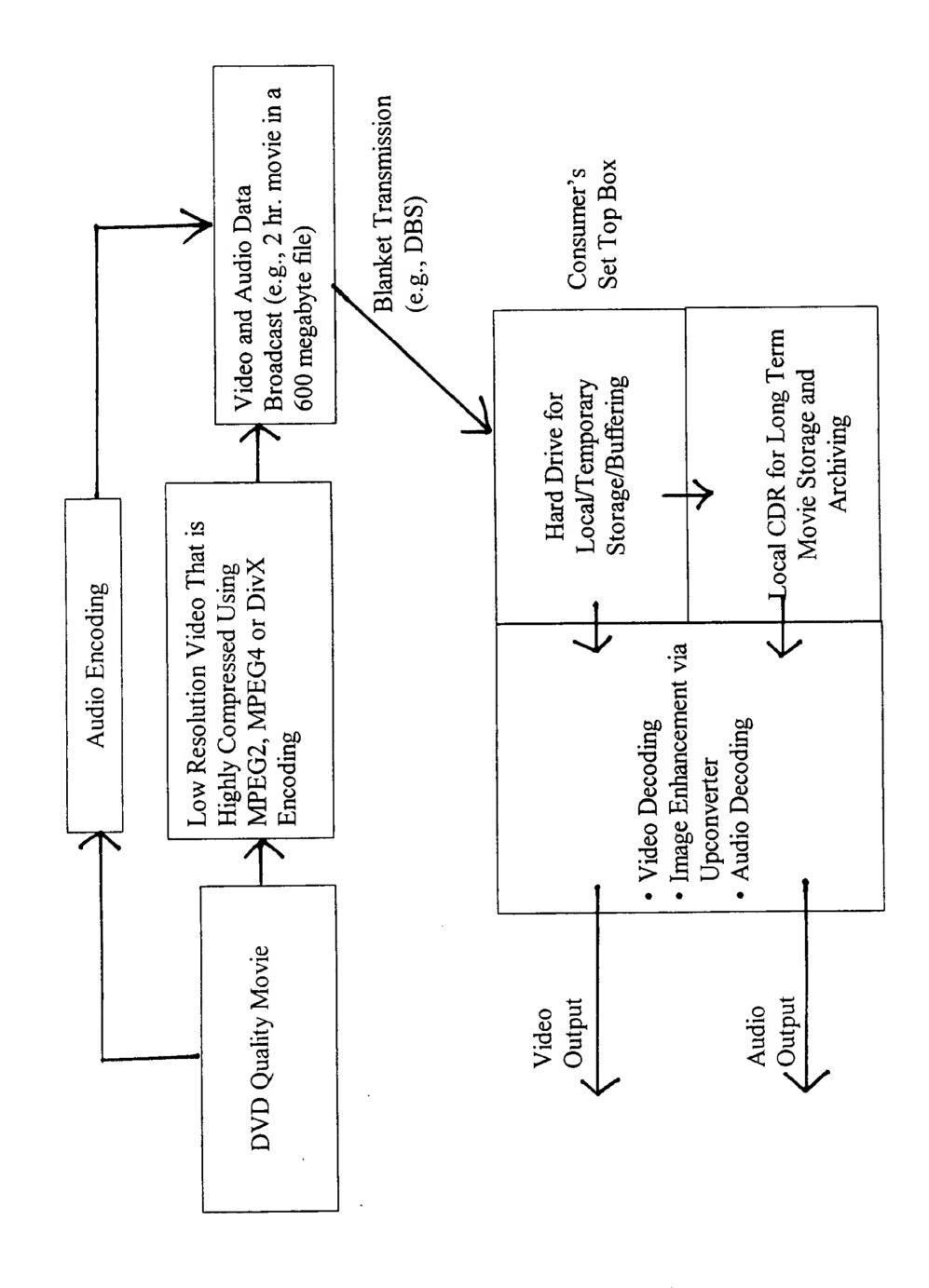
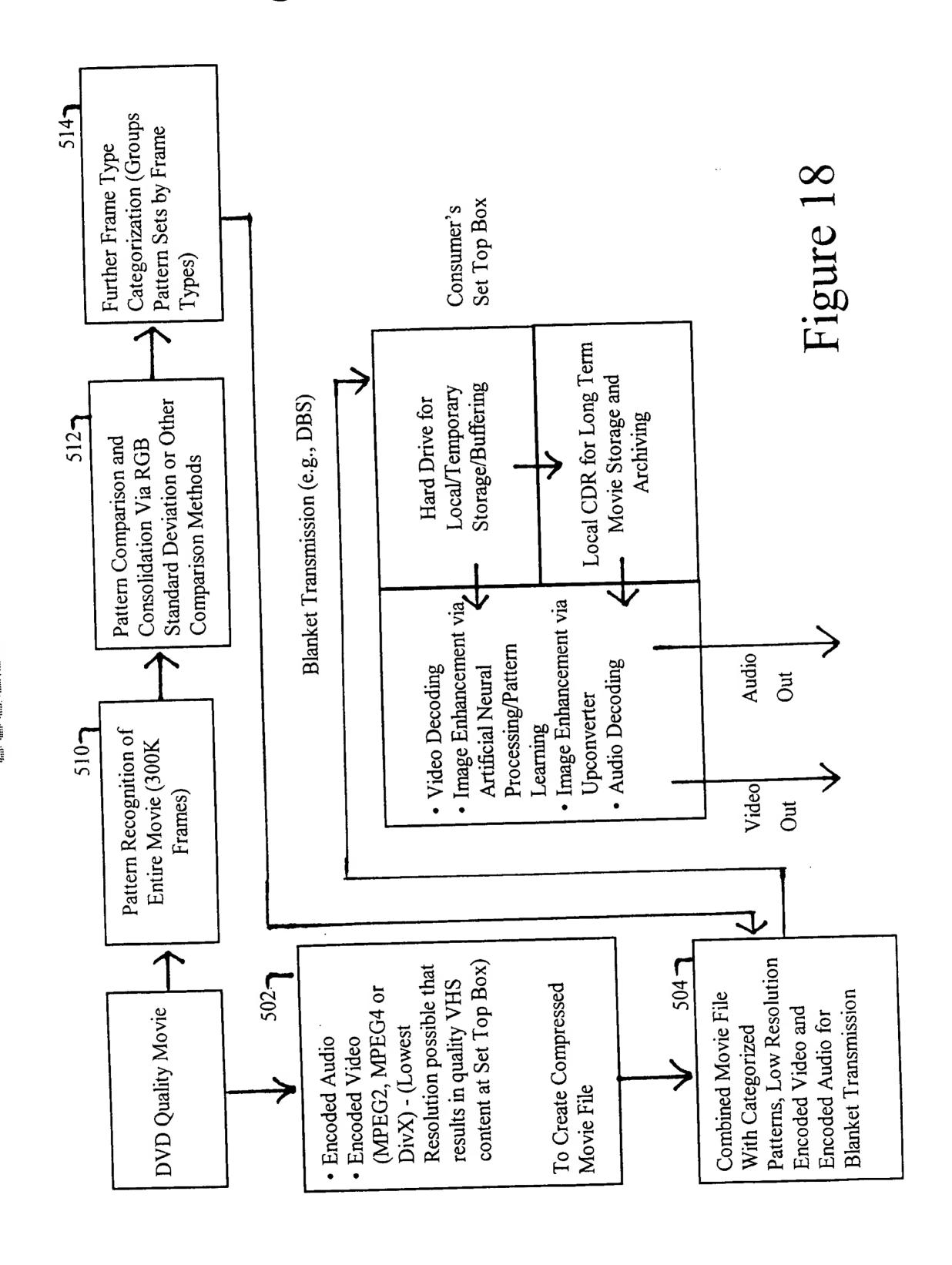


Figure 17



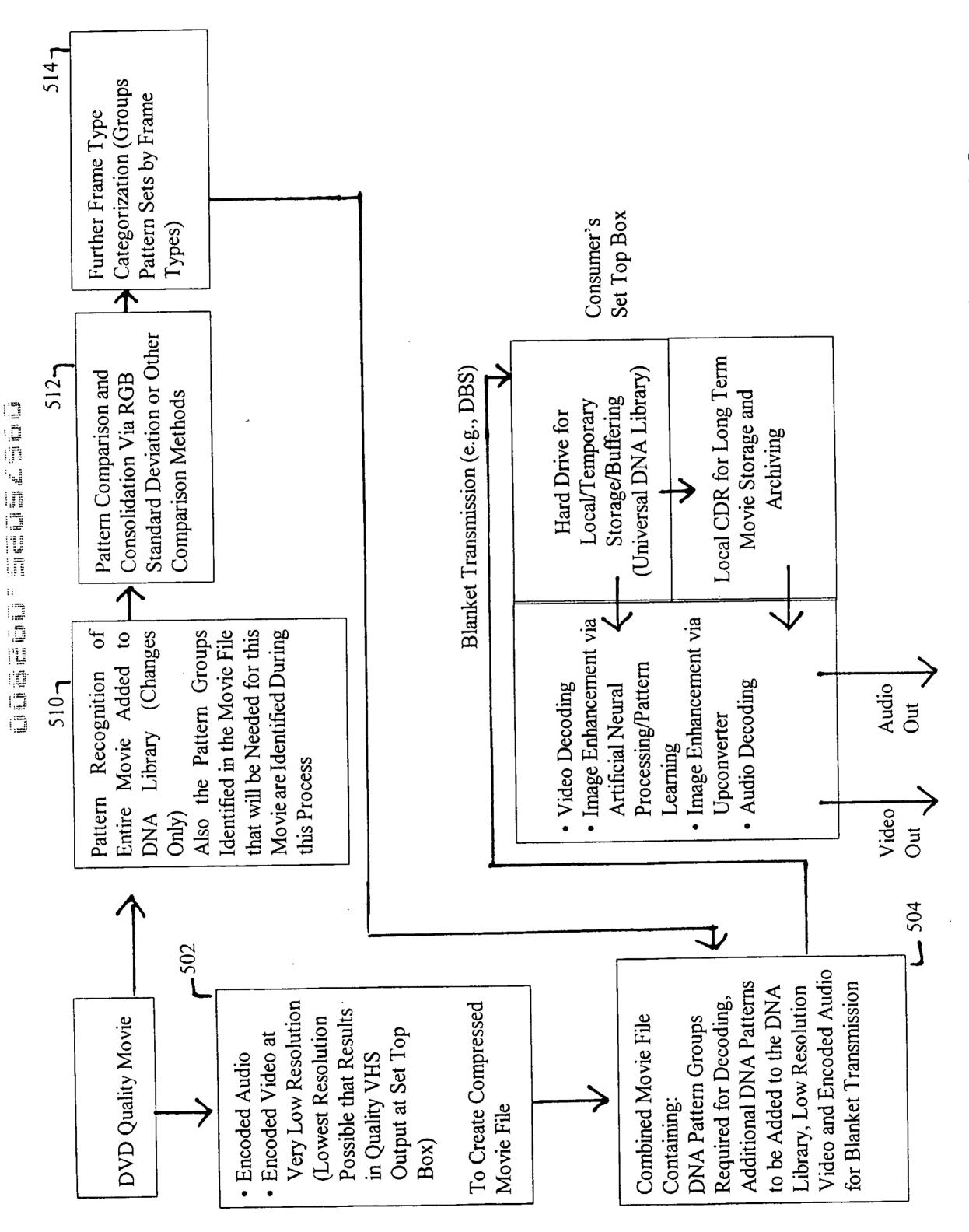


Figure 19

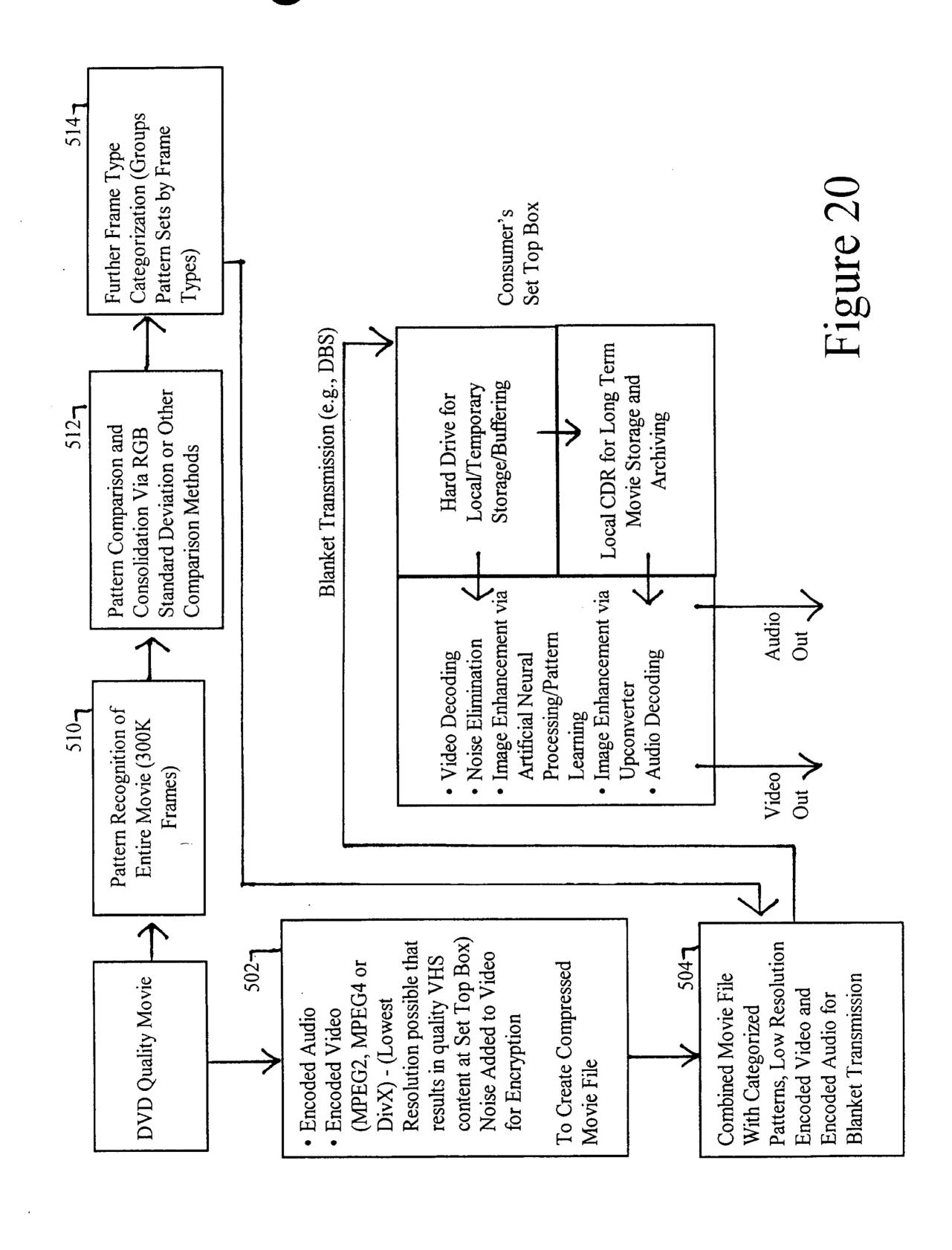
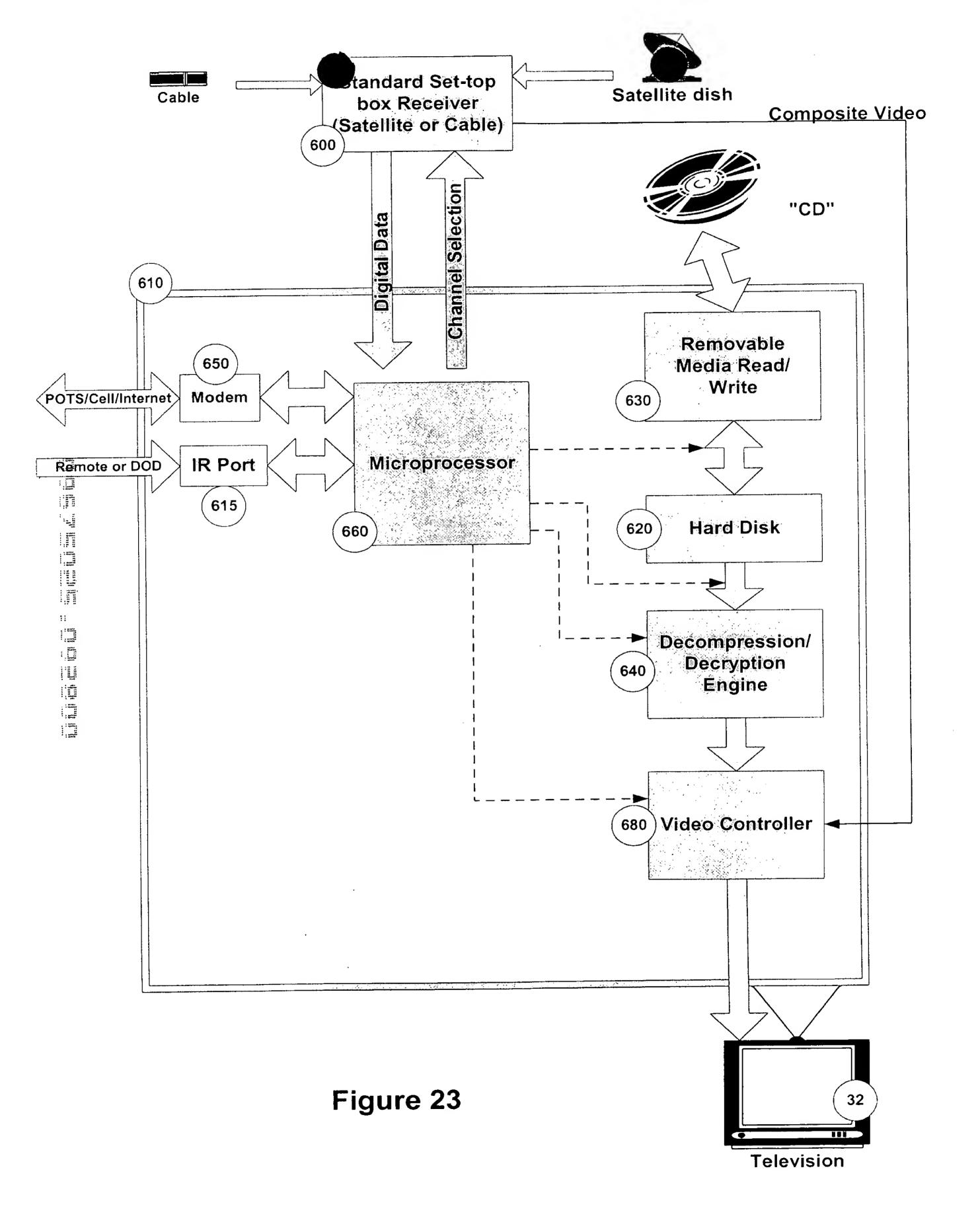


Figure 21
Pattern N Pattern N
•
•
•
Pattern 3 Pattern 3
Pattern 2 Pattern 2
Pattern 1 Pattern 1
Frame Group I Frame Group 2 Frame Group 3 Frame Group n
DNA Pattern Library

Content File Video (

- Required Frame Groups: 1, 4, 7, 9, ... n
 Additional Patterns to be Added to DNA Library Groups
 Highly Compressed/Noise Added Video File

Figure 22



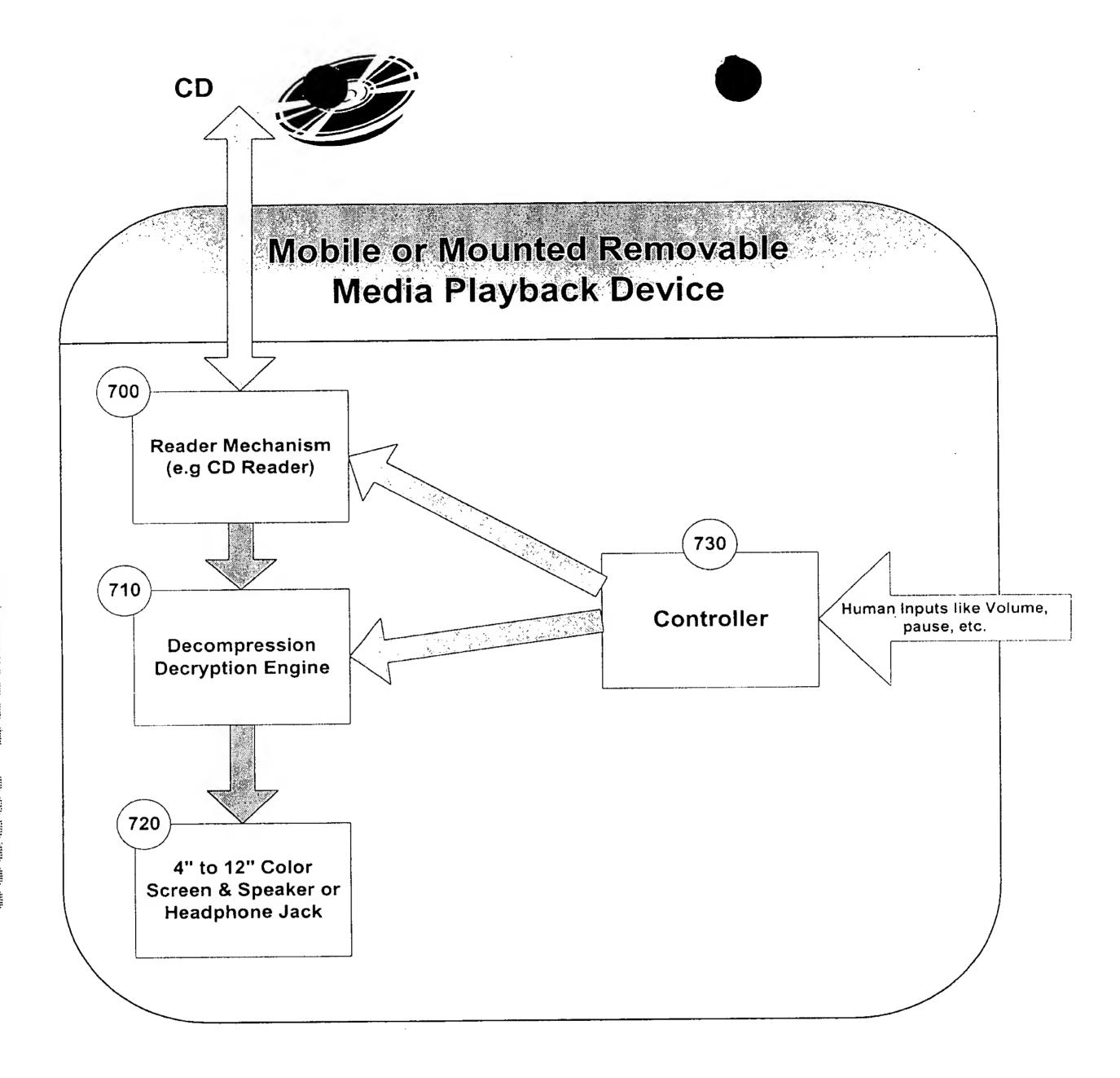
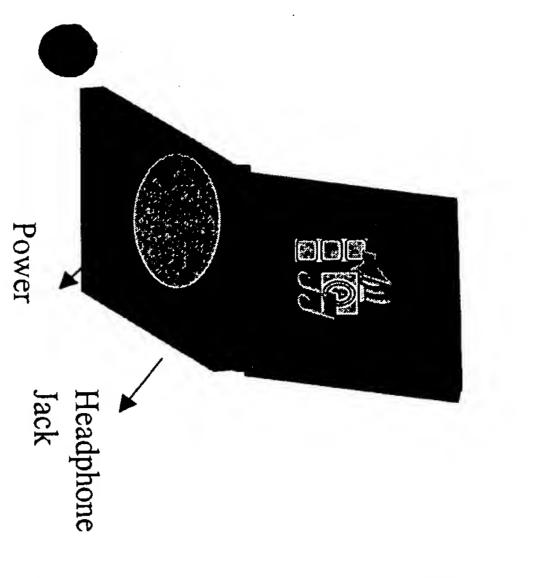


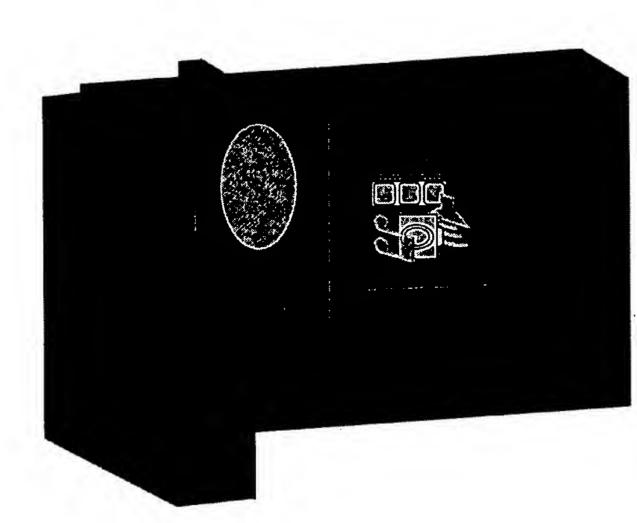
Figure 25



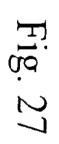
Mobile Player

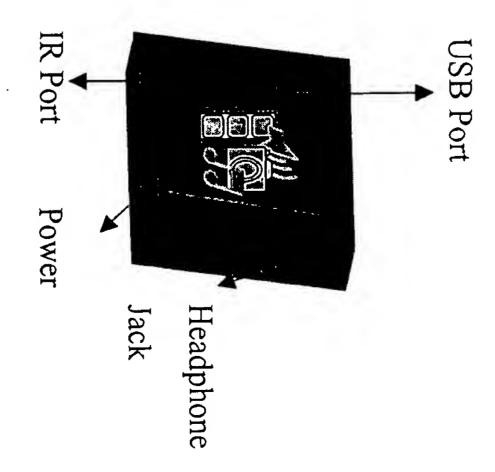
Fig. 26

Seat Back Or Dashboard



Mounted Player





Hard Drive Player

Fig. 28